

**IN THE CLAIMS:**

Please add new claims 34 and 35, and amend claims 25 and 32, as shown below in the detailed listing of all claims which are, or were, in this application:

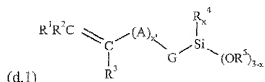
Claims 1-24 (Cancelled)

25. (Currently amended) A composite having a capillary rise of less than 10 mm, the capillary rise being measured according to a T test, said composite being made of at least one fibrous support, excluding any architectural textile, impregnated right to the core with a crosslinked silicone elastomer, wherein said composite is obtained by:

○ impregnating the fibrous support with a silicone composition:

- which is crosslinkable into an elastomer
- which consists ~~essentially~~ of:
  - (a) at least one polyorganosiloxane (POS) having, per molecule, at least two alkenyl, groups linked to the silicon;

- (b) at least one polyorganosiloxane having, per molecule, at least three hydrogen atoms linked to the silicon;
- (c) a catalytically effective quantity of at least one catalyst;
- (d) at least one adhesion promoter comprising:
- (d.1) at least one alkoxyated organosilane satisfying the following general formula:



in which:

- $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  are hydrogenated or hydrocarbon radicals, which are the same or differ from one another and represent hydrogen, a  $\text{C}_1\text{-C}_4$  linear branched alkyl or a phenyl optionally substituted with at least one  $\text{C}_1\text{-C}_3$  alkyl;

- A is a C<sub>1</sub>-C<sub>4</sub> linear or branched alkylene;
  - G is a valency bond;
  - R<sup>4</sup> and R<sup>5</sup> are radicals, which are identical or different and represent a linear or branched C<sub>1</sub>-C<sub>4</sub> alkyl;
  - x' = 0 or 1; and
  - x = 0 to 2;
- (d.2) at least one organosilicon compound comprising at least one epoxy radical; and
- (d.3) at least one metal M chelate and/or a metal alkoxide of general formula M(OJ)<sub>n</sub>, where n is the valency of M and J is a C<sub>1</sub>-C<sub>8</sub> linear or branched alkyl, M being chosen from the group consisting of Ti, Zr, Ge, Li, Mn, Fe, Al and Mg;
- (f) at least one crosslinking inhibitor;
- (g) at least one polyorganosiloxane resin containing at least one alkenyl residue in its structure; and
- (h) optionally, functional additives in order to impart specific properties and selected from the group consisting of dyes and stabilizers;

- which has a dynamic viscosity of between 1000 and 7000 mPa.s at 25°C before crosslinking;
- and which has, after complete crosslinking by curing in a fan oven for 30 minutes at 150°C, at least one of the following mechanical properties:
  - a Shore A hardness of at least two,
  - a tensile strength of at least 0.5  $[[\text{N.mm}^2]]$   $\text{N.mm}^{-2}$ ,

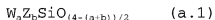
and

- an elongation at break of at least 50%;

0 and crosslinking said silicone composition applied on the support to be impregnated, the crosslinking being activated by heating the impregnated support to a temperature of between 50 and 200°C, while obviously taking into account the maximum heat resistance of the support.

26. (Previously presented) The composite of claim 25, obtained from an impregnating silicone composition which is fluid, which does not contain a diluent, solvent or emulsifier, and which can impregnate a fibrous material right to the core and then be crosslinked.

27. (Previously presented) The composite of claim 25, obtained from an impregnating silicone composition wherein the polyorganosiloxane (a) has units of formula:



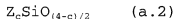
in which:

- W is an alkenyl group;
- Z is a monovalent hydrocarbon group, which has no unfavorable effect on the activity of the catalyst and is chosen from alkyl groups having from 1 to 8 carbon atoms inclusive, optionally substituted with at least one halogen atom, and from aryl groups;

- a is 1 or 2, b is 0, 1 or 2 and a + b is between 1 and 3;

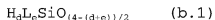
and

- optionally, at least one portion of the other units are units of average formula:



in which Z has the same meaning as above and c has a value between 0 and 3.

28. (Previously presented) The composite of claim 25, obtained from an impregnating silicone composition wherein the polyorganosiloxane (b) contains siloxyl units of formula:



in which:

- L is a monovalent hydrocarbon group, which has no unfavorable effect on the activity of the catalyst and is chosen from alkyl groups having from 1 to 8 carbon atoms inclusive, optionally substituted with at least one halogen atom, and from aryl groups;

- d is 1 or 2, e is 0, 1 or 2 and d + e has a value between 1 and 3;

- optionally, at least one portion of the other units being units of average formula:



in which L has the same meaning as above and g has a value between 0 and 3.

29. (Previously presented) The composite of claim 25, obtained from an impregnating silicone composition wherein the proportions of (a) and of (b) are such that the molar ratio of the hydrogen

atoms linked to the silicon in (b) to the alkenyl radicals linked to the silicon in (a) is between 0.4 and 10.

30. (Cancelled)

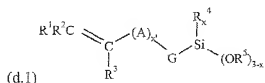
31. (Previously presented) The composite of claim 25, obtained from an impregnating silicone composition wherein the adhesion promoter is present in an amount of 0.1 to 10% by weight relative to all of the constituents.

32. (Currently amended) In a method for forming a composite having a capillary rise of less than 10 mm, measured according to a T test, by impregnation of a fibrous material, excluding architectural textiles, right to the core with a crosslinkable silicone composition, the improvement consists in:

o impregnating the fibrous material with a silicone composition penetrate into said support under pressure, said silicone composition:

- being crosslinkable into an elastomer;
- which consists ~~essentially~~ of:

- (a) at least one polyorganosiloxane (POS) having, per molecule, at least two alkenyl, groups linked to the silicon;
- (b) at least one polyorganosiloxane having, per molecule, at least three hydrogen atoms linked to the silicon;
- (c) a catalytically effective quantity of at least one catalyst;
- (d) at least one adhesion promoter comprising
  - (d.1) at least one alkoxyated organosilane satisfying the following general formula:



in which:

- $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  are hydrogenated or hydrocarbon radicals, which are the same or differ from one



another and represent hydrogen, a C<sub>1</sub>-C<sub>4</sub> linear branched alkyl or a phenyl optionally substituted with at least one C<sub>1</sub>-C<sub>3</sub> alkyl;

- A is a C<sub>1</sub>-C<sub>4</sub> linear or branched alkylene;
- G is a valency bond;
- R<sup>4</sup> and R<sup>5</sup> are radicals, which are identical or different and represent a linear or branched C<sub>1</sub>-C<sub>4</sub> alkyl;
- x' = 0 or 1; and
- x = 0 to 2;

(d.2) at least one organosilicon compound comprising at least one epoxy radical; and

(d.3) at least one metal M chelate and/or a metal alkoxide of general formula M(OJ)<sub>n</sub>, where n is the valency of M and J is a C<sub>1</sub>-C<sub>8</sub> linear or branched alkyl, M being chosen from the group consisting of Ti, Zr, Ge, Li, Mn, Fe, Al and Mg;

- (f) at least one crosslinking inhibitor;
- (g) at least one polyorganosiloxane resin containing at least one alkenyl residue in its structure; and

(h) optionally, functional additives in order to impart specific properties and selected from the group consisting of dyes and stabilizers;

- which has a dynamic viscosity of between 1000 and 7000 mPa.s at 25°C before crosslinking;
- and which has, after complete crosslinking by curing in a fan oven for 30 minutes at 150°C, at least one of the following mechanical properties:
  - a Shore A hardness of at least two,
  - a tensile strength of at least 0.5 [[N.mm<sup>2</sup>]] N.mm<sup>-2</sup>

and

- an elongation at break of at least 50%;

o and crosslinking said silicone composition applied on the support to be impregnated, the crosslinking being activated by heating the impregnated ~~support~~ support to a temperature of between 50 and 200°C, while obviously taking into account the maximum heat resistance of the support.

33. (Previously presented) The composite as claimed in claim 25, wherein the fibrous support is a woven fabric, non-woven fabric, or knits, or any fibrous support comprising fibers and/or fibers

chosen from the group of materials consisting of glass, silica, metals, ceramic, silicon carbide, carbon, boron, natural fibers, artificial fibers, and synthetic fibers.

34. (New) The composite of claim 25, wherein said fibrous support is impregnated with said silicon composition at a pressure of at least 20 kg/cm<sup>2</sup>.

35. (New) The method of claim 32, wherein said fibrous material is impregnated with said silicon composition at a pressure of at least 20 kg/cm<sup>2</sup>.